

Henry de Cuyper Cadmus

The crowds weren't flowing out into the corridors last night at the RAEU information meeting called by vp external Benoit Laurin. A clutch of 15 students showed up to hear Laurin tell them why McGill should dish out \$8,000 for RAEU membership fees. Of the 15, 5 were members of Students' Council and 5 were Daily reporters. See story page 1.

Faculty union says McGill Reporter biased

By Brian Topp

Spokesmen for the McGill Faculty Union (MFU) have accused the McGill Reporter of distortion and inaccuracy in its coverage of the MFU's charges against the University and the McGill Association of University Teachers (MAUT) presently before the courts.

"The Reporter is an administration paper," said Allen Fenechel, President of the MFU.

"They tend to get their facts wrong, and aren't balanced and fair."

"They've been erroneous in every case," added Sidney Ingerman, another member of the MFU executive.

"The paper has committed errors of fact, and is producing distorted interpretations of what is going on."

MFU criticism of the Reporter has arisen over a number of articles printed by that paper about the on-going MFU-MAUT McGill court case. The MFU is currently asking a provincial labor court to dissolve MAUT because MAUT has allegedly accepted services from the McGill administration not made available to the MFU, and acted as an "accomplice" in alleged attempts by McGill to prevent "true unionization" of professors, contrary to the labor code.

Both organizations claim to represent the faculty at McGill.

Fenechel complained of a headline in the March 14, 1979 edition of the Reporter, which

reads "Labor court quashes four MFU charges."

"What that was referring to was that each of our charges was accompanied by a conspiracy charge," Fenechel said.

"We accused them of conspiring to commit violations of the law as well as actually violating it. The court ruled that these conspiracy charges were outside of the scope of the labor code. There were no findings of fact with respect to the charges. That headline wasn't balanced and fair."

Fenechel also complained of an article in the September 4, 1979 issue of the Reporter. In a letter published in the September 19th edition of the paper, Fenechel claimed that the Reporter had been erroneous in reporting that the trial to hear additional charges against the university had been "rescheduled" for September 28th.

"Charges... have been postponed pro forma," he wrote. "On September 28 a petition to

dissolve the MAUT because of alleged violations of... the labor code will be considered by the court."

The McGill Reporter is published weekly by the McGill public relations department and is distributed throughout McGill.

W5 program 'racist'

OTTAWA (CUP)- A television report which claimed that foreign students in Canada are causing thousands of Canadians to be rejected from important university course is a "thinly veiled racist attack", according to the National Union of Students (NUS).

CTV public affairs programme W5 said Sunday that international students are using as much as \$1 billion in educational facilities and

forcing thousands of Canadian students out of post-secondary education programmes such as engineering and medicine.

NUS says the programme manipulated statistics and ignored other relevant ones to make international students scapegoats for problems with the education system.

"It's a pretty thinly veiled racist attack on international students - that's how it comes across", said NUS researcher

Jeff Parr.

"It's incredibly misleading. They've got a bit of information and blown it out of all proportion. They're basically causing havoc."

Parr said the programme, which stated that most foreign students come to Canada from Hong Kong, Singapore and Malaysia, neglected to show that a large percentage of foreign students are from the U.S.

The programme also did not consider that many Canadians are studying in other countries, creating an interchange of students, he said.

The W5 report also said most of the foreign students coming to Canada are children of the elite. Parr said measures taken to discourage foreign students from entering Canada, such as the imposition of differential tuition fees in seven provinces, serve to insure that only the economic elite can afford to study here.

McGill to foot 50% of RAEU budget

by Bonnie Farmer

An information session held last night to discuss McGill's membership in RAEU, Regroupement des associations etudiantes universitaires (RAEU) attracted a tiny crowd of fifteen interested students.

After giving his listeners a brief history of RAEU's existence and its usefulness for McGill, vp external Benoit Laurin answered questions concerning the structure of the association and the \$8,000 in membership fees McGill is being charged.

Laurin stated that in RAEU McGill students are represented through student associations, and because it is a smaller organization than ANEQ, it shares a truer community of interests with students.

Laurin says the \$8,000 will be used to hire a permanent research staff and a part time secretarial staff.

McGill will be required to pay for half of the \$8,000 this semester. Laurin said this term's \$4,000 allocation will come from cutbacks in four areas: \$1,100 from the Arts-Bronfman project; \$550 from Sadies; \$1,350 from the communications budget and \$1,000

from the handbook budget.

The fees McGill is being charged amount to "50 per cent of RAEU's total budget," said Laurin.

"McGill and Concordia are funding about 80 per cent of the total but that's because they are the largest members".

RAEU has a membership of 9 universities including University of Montreal and Laval.

Most of the students at the meeting felt that the \$8,000 was too much to join and that RAEU does not advocate representation by population.

Laurin said that McGill is being charged "2 per cent" of its Students' Society budget and that RAEU had "no need for representation by population".

"Representation by population is not necessary if you are doing the right thing".

Asked what kind of services RAEU would provide McGill students, Laurin said: "We will receive effective representation at the national level".

Laurin was originally planning to introduce a motion at tonight's Council meeting calling for a ratification of the decision. However, after the meeting he told the Daily that he would ask the motion be tabled for further discussion.

Introducing the science issue

Nuclear energy: how safe is safe?

A look at the pros and cons of going nuclear.

McGill experts speak out:

The Daily talks to physics professors, Nick De Tackasy and John Robson, and chemistry professor Leo Yaffe.

Anti-nuke movement:

A preview of upcoming Seabrook and Ottawa demonstrations, and an interview with the national chairperson of the CCNR.

Quebec's nuclear policy:

A look at this province's nuclear "moratorium."

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POSITION AVAILABLE: Student, well trained in Crystallography needed to demonstrate laboratory in Geology 211B. 6 hours/week, \$1,000/term, second term only. Qualified applicants please contact Prof. G. Donnay, Dept. of Geological Sciences, McGill University. 392-5840.

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A WINE APPRECIATION course is being offered on campus. Designed for the person with little or no knowledge of wine, this course will acquaint you with the various aspects of wine appreciation. For info call 844-0058 or come to room 111 in Student Union.

PIANO & THEORY FOR BEGINNERS - Lessons days or evenings. Near McGill 288-0885.

385-NOTICES

Want to Rap with a Rabbi? Call Rabbi Houseman 341-3580.

BOWLING TOURNAMENT: Open to students, staff. Trophies 1st and 2nd place plus door prizes. Tickets available at Sadies and Burnside Hall 1820. \$4 advanced. \$5 at door. For info drop by Math Society Office room 1B20 in Burnside Hall Basement.

Gay McGill will be signing up new members this Thursday, so please be there. A guest speaker will discuss the differences between gay men and women. Thursday 19:30, 425 Union.

372-LOST AND FOUND

LOST: Tan leather jacket in room 027 of Brontman Building on Tuesday. Please bring to lost/found of Brontman or call Jesse 486-9164 after 1:00 p.m. Merci beaucoup.

Gray, black and white kitten, found on Aylmer Street, urgently needs new home. Please call 843-4853 or 845-6685.

Will person seen taking wallet from admissions (R:221) please return personal papers, I.D. etc.

FOUND: 1 wallet, near Education Building, belonging to Eric Ansel, brought into Sadies.

387-VOLUNTEERS

Research project needs healthy volunteers 18 to 70 years of age for a study being conducted on a drug under current investigation. Volunteers must be free to give one full day, as well as be available to report at specified times during a 3-day protocol. Honorarium is being offered. If interested, please contact the division of Clinical Pharmacology, Montreal General Hospital, 937-6011, loc. 791.

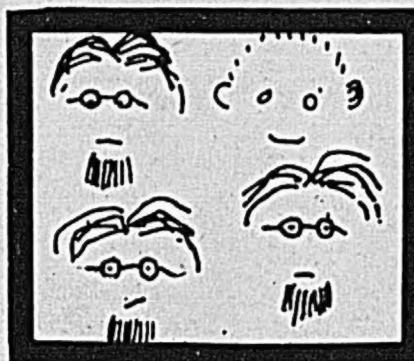
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**NOMINEE FOR SECRETARY
Steven Dalfen**

I wish to take this opportunity to announce my running for the position of Secretary of ASUS. Although constitutional requirements for the position are minute taking and the such, in practice I will do my utmost to contribute further. Presently, I am an active manager of the Film Society. I pledge to apply my best efforts towards a successful tenure. I ask then, for your support.



**NOMINEE FOR SECRETARY
Rick Fitzpatrick**

The ASUS and its chief executive officers are here for the service of you students in Arts and Sciences by cultivating your cultural and educational interests. The role of Secretary involves service as well but more directly to the ASUS and indirectly to you. It is a challenging and important job that I sincerely believe I can fulfill.



ACCLAIMED VP SCIENCE

Kitty Spraggett

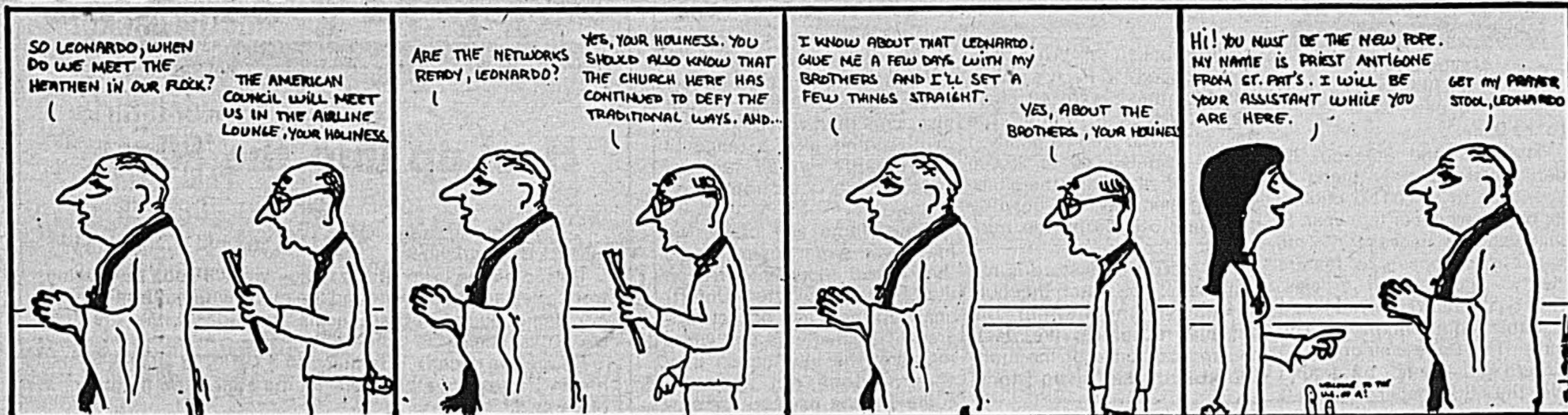
I have been acting as the interim VP Science since last May. My efforts have been directed towards developing a speakers program. To date, I have received confirmations from: David Suzuki—a prominent geneticist; Jonathan King (M.I.T.)—the chemical industry and cancer; Cecile Abrahams and Dennis Brutus—South Africa.

I am interested in seeing course evaluation taken seriously. I want student input on faculty promotion and tenure decisions.

**POLLING
STATIONS**

Union Building Lobby
Leacock Building Lobby
Burnside Hall Lobby

The Insiders



Falling asbestos at Bishop's

Lennoxville (CUP)—Despite the possibility of a health hazard from falling asbestos, the Bishop's University arena will operate as usual. The Quebec Environmental Protection Service (EPS) conducted tests recently on the rink to determine if a rain of insulation particles from the ceiling is a health hazard.

Bruce Coulter, Bishop's Director of Athletics, said the problem is not serious enough to cause widespread concern and the arena will not close down at this time.

"We won't hide under the bed", he said. "To panic now...would be foolish".

EPS Director Paul Belanger said there is a health risk when

people inhale asbestos but that it normally occurs over a long period of time.

Asbestosis occurs when asbestos fibers become incorporated into lung tissue. Respiratory disease and death can result.

Coulter said he did not see a real health risk in the rink.

"If the problem had been long-term, damage to people's health would have shown", he said.

The insulation has been falling from the building's ceiling for a number of years. Bishop's Buildings and Grounds Director Ivan Saunders said the university was aware of the problem, but the possibility of a health hazard had not been raised before.

Belanger said the results of the test will be released in three weeks.



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Letters

Maybe they're
too literate
for campus

To the Daily:

The Arts and Science Undergraduate Society plans to spend up to \$3,000 to publish its own newspaper this year. Is this expense necessary? This paper is supposed to feature "witty" and in-depth articles. This type of writing would be a valuable contribution to The Daily. The Daily welcomes all writers so it cannot be argued that the ASUS paper is needed because anyone is being stifled for lack of an outlet for their writing abilities.

Previous efforts by the ASUS to put out a newspaper, the most recent being Tempest three years ago, have all ended in failure. Why have another one?

As a student of the faculty of Arts and Science, I do not think this kind of expense makes good use of the ASUS' limited funds—especially when the ASUS has just recently slashed the budgets of most of the department student associations it supports.

Connie Smith
U3 Economics

"It's two blocks away
to The Bay"

To the Daily:

Re: Mr. Perry's letter in the September 21 issue. We would like to point out to him certain aspects of retailing that he, as an Arts student, may not be acquainted with.

We are quite aware that a number of stores were offering "Back to School" specials at prices very much lower than the

McGill Bookstore. What may have escaped Mr. Perry's notice was that these were all chain stores (WH Smith, Eaton, The Bay, etc.) who are in a position to buy from 10,000 to 25,000 copies of a book therefore, availing themselves of quantity discounts offered by the Publishers.

The McGill Bookstore is not in a position to match this bulk buying, having neither the financial resources, the warehousing capacity nor the multiple outlets that chain stores have.

The McGill Bookstore working on a 20%-25% margin, cannot absorb such a loss and our advertising budget is very small compared to the chain stores. It is used to advertise changes in policy and to help support student organizations such as the McGill Daily, McGill Players, Welcome Week, Student Handbook, Athletics and the Blood Drive.

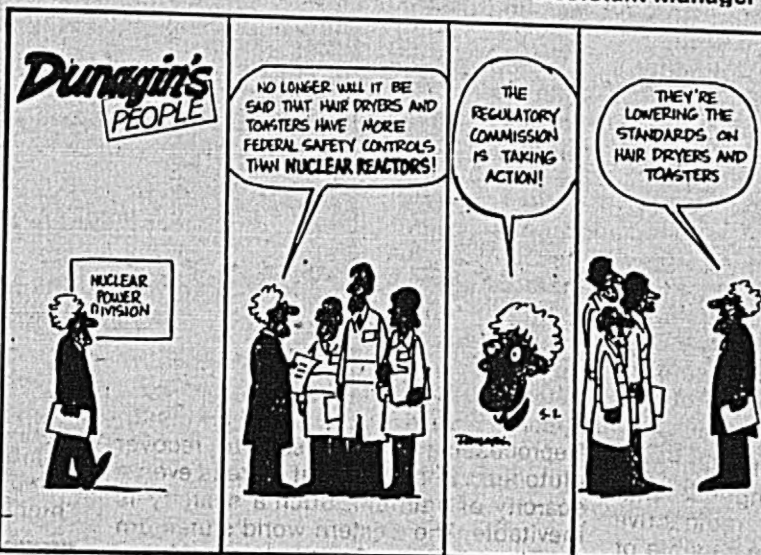
Another area where we have been forced to abandon a

profitable item was calculators. Large office equipment dealers have been offering greater discounts than we could afford to give, and also a range of instruments which lack of space prohibits us from carrying.

These facts and others we have been eager to explain to the student representatives on the Senate Committee. Unfortunately, they are not always present at meetings and when they are, the information they acquire does not seem to communicate itself to the student body.

Finally, may we inquire if Mr. Perry has been looking at his food and clothing bills recently, not to mention his rent or his gas bills if he owns a car. Much as we deplore it, inflation is a fact of life.

Mr. George W. Franks
Manager
McGill University Bookstore
Miss Denise Grenier
Assistant Manager



Today

Department of Anthropology: Robin Cohen will speak on Ken Post's theory of determination. Today at 4:00 p.m. in Leacock 738.

Women's Union:

Everyone invited to a presentation and discussion tonight on pornography. 6 p.m. in Union Rm. 423. All those interested in working on Women's Week (and those who already are) please come at 5 p.m.

McGill Outing Club:

Open meeting tonight, 7:30 p.m. in Union B-01. Sign-up for Thanksgiving Trips and information on up-coming events.

McGill Referendum Committee:

Note that the regular meeting will be held tonight in Leacock 210, at 19:00 hours.

Amnesty International:

Open meeting at 4 p.m. in union room 425. Special workshop on writing letters to foreign states about prisoners of conscience. Anyone interested in A.I. is encouraged to attend.

Old McGill '80:

Important meeting to discuss staff organization, theme, sales campaign, and coverage. All writers and photographers please attend. New members welcome. 5 o'clock B19.

McGill Ski Team:

Vitaly important meeting at 5 p.m. rm. G-20, Currie Gym. Bring membership dues. Training will follow.

Camera Club:

All instructors should submit the times that they are able to teach basic camera and dark-room techniques. All members interested in attending these instructional sessions must sign up during office hours.

E.S.A. Elections:

For the position of Representative-at-Large. All Students taking at least one economics course may vote. Leacock Lobby 10 a.m. - 4 p.m.

Big Apple blossom time:

Today is the LAST day for signing up for the MSEA trip to NEW YORK CITY. Call Antoine Ohannessian: 334-0149.

Hillel:

Every Wednesday afternoon from 2 p.m. until 5 p.m. Hillel presents "Le Café". Drop in and have a coffee, play backgammon, and meet a friend.

McGill Film Society:

Tonight, Kurosawa's IKIRU, at 7:00 & 9:30 in Leacock 132. Admission: \$1.00.

Bake Sale:

Physical and Occupational Therapy, October 3 & 4, Union Building. 9 a.m. - 4 p.m. All welcome.

Daily Photographers:

Today at 1700 hours in the student union in rm. B03. A short but important meeting, click.

History Students Association:

General Meeting. All history students welcome 12:00 Noon Leacock Room 617.

McGill Bicycling Club:

Meeting at 4:30 in the Union Basement (Le Sous Sol). All McGill students and staff are invited to attend.

Slippery Slopes

Heel up into the '80s

by Rick Boychuk

Poised on the brink of the 1980s we will soon be hearing from every soothsayer around the globe who has audacity or cunning enough to attract media attention. Whither the '80s, we will ask them.

Before the decade is reduced to a fistful of clichés at the hands of these crystal gazers, let me offer a few predictions of my own.

If the seventies can be characterized as the me decade then the eighties will surely be the decade of decadence. The smell of a decaying morality is already in the air. Take a walk down to Eaton or the Bay and gaze into the display windows. Therein lie symptoms of a bleak future. The fall fashions draped on the shoulder of the faceless female mannikins are a macabre blend of narcissism and violence. This year's women, the designers have decreed, shall look emaciated, dominated, brutalized and helpless. The plaster representations of the female form found in the showcases have purple-blush eyeshadow, lips painted the color of coagulated blood and wear gowns that convey an image of resigned vulnerability. The poses the dummies are twisted into and the settings in which they are placed (in a black gown backed into a corner, lying disheveled on a bathroom floor) trigger impressions of bondage and deviancy.

For the past two years these subtle undertones implied in the new fashions have become increasingly explicit. They are not an isolated phenomenon but a reflection of contemporary social attitudes. Designers, no less than musicians or painters, do not work within a vacuum. They give shape to unstated and unarticulated social moods. They are a medium through which society expresses itself.

Elements of the new fashions have reached the grasp of the middle-class and the campus is a more treacherous place because of it. The stiletto heels, currently popular among some McGill women, took a trendily turned out undergraduate for a graceless and painful fall on the steps of Peterson Hall this week. Ah, the price of fashion.

Other identifiable appropriations of the new look are the pointed toe, high heel boots many young males are sporting, slit thigh dresses and mortician makeup (white face paste, raccoon eyeshadow and ruby red lipstick).

All of which tells us what about the eighties?

These emerging tastes are the first symptoms of the fact that the western world's experiment with liberalism is reaching its logical conclusion. The liberal ethic argues that society and individuals develop best in an environment where restraint is kept to a minimum. It is the model of perfect competition where each individual acts according to his/her own perceived best interest and the will of the majority rules.

The end result of such reasoning is the erosion of values. It gives rise to the myth of objectivity which decrees that to take a moral position is to place an artificial restraint on one's freedom.

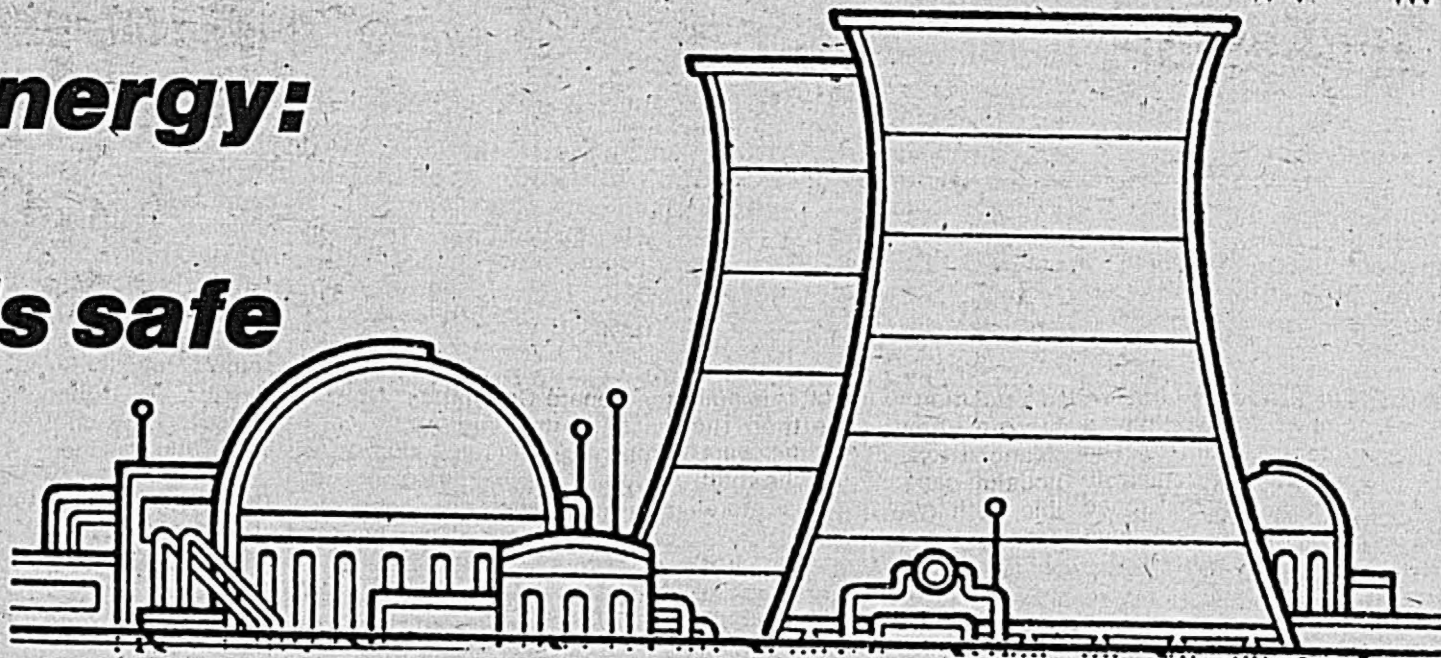
So we believed and such is the environment in which we were reared. The problem, however, is that if you don't have a set of values other than the belief that values are confining, everything becomes meaningless. A social conscience is abandoned, responsibilities become repugnant and mindless consumerism and decadence in fashion and entertainment seem harmless diversions. Only physical pain has meaning.

Disco music and disco clothes are expressions of the social conscience, or lack of it, that developed in the late seventies. The eighties will be an exploration and extension of this theme. The youth of the western world will soon tire of disco glamour and fashions will shift. The carefully primped hair of today's male will give way to a primitive and carelessly cut punk look. The three piece John Travolta suits will be replaced by an androgynous, mismatched, ill-fitting and loud-colored ensemble. Female fashions will continue to emphasize vulnerability and bondage.

These are fashions for a society in which technology has obliterated the human connection with the natural and social environment. Bereft of hope we will wander through the eighties seeking comfort in the bizarre products of an increasingly alien technological society and in the illusion that the apocalypse will never come.

Nuclear energy:

How safe is safe enough?



by Julian Betts and Paul Godlewski

The emotionalism that has surrounded the nuclear debate for the last few years has clouded many of the most important issues. But both pro and anti nuclear groups will agree on one fact: present energy sources are not sufficient to enable western society to maintain its current standard of living. Society must either drastically alter its lifestyle or develop new sources of energy.

According to pro-nuclear groups, nuclear—for the short term—is the only viable option. Wide scale energy conservation, coupled with the use of solar and wind energy programs, would result in economic upheaval and massive unemployment, say advocates of nuclear energy.

Low level radioactive wastes have contaminated 55 miles of the Serpent River, downstream from Elliot Lake, killing all fish and rendering it unfit for human use.

However, it's not that easy. The many risks involved with nuclear energy must also be considered: increased radiation, the problem of disposal of radioactive wastes, the decommissioning of nuclear plants, the reprocessing of wastes, risks incurred in the transportation of radioactive material, nuclear arms proliferation and the threat of nuclear power falling into terrorists' hands.

These problems may not have received as much publicity as the potential meltdown yet they are, nevertheless, very real drawbacks to nuclear energy.

The radiation level at Ontario's Pickering plant is equivalent to only one x-ray per year states a recent Ontario Royal Commission. Anti-nuclear groups, however, would contest this figure citing studies which have shown unexplained increases in cancer and leukemia rates in areas in which nuclear plants have been operating for a number of years.

Pro and anti nuclear forces also disagree on the subject of radioactive wastes, a byproduct of everyday reactor operation. According to the Ontario Ministry of the Environment, the low level radioactive waste created in the milling process of uranium have con-

taminated 55 miles of the Serpent River system downstream from the Elliot Lake, Ontario plant, killing all the fish and rendering the lake unfit for human use.

Although radioactive wastes can be stored in concrete vaults these vaults must be replaced every 40 to 80 years, according to the Canadian Coalition for Nuclear Responsibility (CCNR). The need for this constant maintenance makes concrete vaults an impractical method of storing wastes.

In addition nuclear researchers have studied the possibility of sealing high level wastes in glass and burying them in very stable ground, such as the Canadian Shield.

To test the feasibility of "glassification", Atomic Energy of Canada Limited (AECL) incorporated fission products into glass blocks 17 years ago, and buried them at Chalk River Ontario. No problems have yet arisen despite the fact that glass exposed to radiation can become brittle and possibly fracture. Another danger is that the helium produced by radioactive decay could create pressure capable of cracking the glass.

The location of geologically ideal waste disposal sites is becoming more and more of a headache, since few people are eager to have radioactive wastes stored next door. Thirteen American states have already banned the disposal of wastes within their boundaries.

The reactor's core must be flooded and then cut into pieces small enough to fit into burial cannisters. The process produces 7,000 cubic metres of waste.

A proposed solution to the radioactive waste problem involves ejection of the waste into permanent space orbit. Opponents of this plan advise people to remember Sky Lab.

What to do with decommissioned reactors also poses a problem. According to the CCNR, nuclear reactors must be dismantled after a approximately 30 years of use. The dismantling of a reactor, however, is an expensive and dangerous affair. The reactor's core must be flooded and then cut into pieces small enough to fit into burial cannisters. The process produces 7000 cubic metres of waste and in addition is

expensive. A nuclear plant in Oyster Creek, New Jersey recently received a \$100 million allocation for its dismantling.

The 1958 Kymchyn disaster in the USSR is thought to have been due to a reprocessing plant accident involving disposal of nuclear liquid wastes. Hundreds of people were killed and a large area of land contaminated.

More dangerous than the wastes produced by Candu reactors are the high level radioactive wastes that are a byproduct of spent fuel reprocessing. Reprocessing is necessary to recover plutonium from wastes if there is even a scarcity of uranium. Such a scarcity is inevitable. The western world's uranium supply, of which Canada has a 20 per cent share, is limited. The Porter Commission, an Ontario Royal Commission on electric power planning, stated in its "Race Against Time" report that Ontario's uranium contracts and export commitments "already more than exhaust Ontario's currently estimated reasonably assured uranium resources in the measured and indicated categories."

The Porter Commission, however refused to endorse the use of reprocessing or advanced fuel cycles in Ontario at the present time. It did state though that the need for it will arise by the turn of the century.

According to the 1976 report of the Institute for Reactor Safety in West Germany, an accident at a reprocessing plant is potentially more dangerous than a full scale meltdown, and could cause fatalities up to several hundred kilometres from the plant location.

The 1958 Kymchyn disaster in the USSR is thought to have been due to a reprocessing plant accident involving the disposal of nuclear liquid wastes. Although there is little available information on the disaster hundreds of people were supposedly killed and a large area of land contaminated.

Another risk arising from the use of nuclear energy involves the transportation of radioactive fuels. One Canadian government report predicts that "in 25 years about 2500 shipments of irradiated fuel will be made each year." The report goes on to say that theft of

such a shipment is "extremely unlikely" because terrorists would have difficulty "doing anything with it that would threaten the population."

Anti-nuclear groups remain sceptical, however. India managed to construct and explode a bomb made from spent nuclear fuel that Canada had donated to that country's nuclear power program.

Terrorists could conceivably steal nuclear materials. In the last five years, several American nuclear plants have reported missing fissionable material. For example, in 1978, 202 pounds of high quality uranium disappeared from a nuclear facility in Apollo, Pennsylvania.

If the threat of terrorists procuring materials for nuclear arms is only a possibility, it is a fact that the information needed to build a bomb is available to the public. A Princeton student designed a bomb for his senior thesis in 1975, and a Harvard student planned 22 different designs for atomic bombs. Two American government bomb designers called the designs "highly credible."

"Pandora's box cannot be closed. We cannot live as though nuclear power had not been discovered."

But the very fact that terrorist organizations might have a formidable weapon in nuclear power is not sufficient reason to ban it. As the World Council of Churches Study Group stated: "Pandora's box cannot be closed. We cannot live as though nuclear power had not been discovered."

Well known scientific knowledge cannot simply be swept under the rug in an attempt to return to the pre-nuclear years.

Poorer nations which have come into possession of nuclear power plants will not likely relinquish this source of energy when they are struggling to raise their low standard of living. Since the USSR did not halt its program after the Kymchyn disaster it probably never will; and consequently the U.S. will probably not halt its program either.

The cost of nuclear energy is becoming a major issue of debate. Once a nuclear plant has been constructed it provides electricity inexpensively. The costs of initial construction, research and development,

continued on page 8

Ottawa demonstrators protest overseas sales

by Rosemary Mannix

The first Canadian national demonstration against nuclear power will be held at Parliament Hill in Ottawa on Saturday October 13.

The theme of the day is

SOS—Stop Overseas Sales—the overseas sales of CANDU reactors and Canadian uranium.

Canada has already sold reactors to Argentina, India and Pakistan. The protesters

feel however, that too many moral and economical questions are being left unanswered as negotiations for further deals continue.

A product of nuclear reactors, plutonium, may be used to

produce nuclear weapons and the demonstrators are concerned that Canada may be drawing countries into the nuclear arms race.

Several countries have the intent to produce nuclear arms with waste material, causing some proponents of nuclear power to join with the protesters to condemn overseas sales.

The people gathering in Ottawa intend to publicize less dangerous, less inflationary, higher job producing energy paths which they feel would be more beneficial to Canada as well as her prospective customers.

The demonstrators say they will not continue to support the

nuclear industry with tax dollars. In addition they reject the idea of aiding the economically ailing Canadian nuclear industry through the export of nuclear technology.

Commented a demonstration organizer: "The domestic market is decreasing, putting the nuclear industry in dire economic straits and forcing them to rely on exports to stay alive. We won't let them do it."

The Ottawa action is being organized by the SOS Coalition, a network of groups from all over the country established specifically to coordinate a progression of national events. The coalition sees the demonstration as an opportunity to tie small anti-nuclear groups together to gain a strong national voice.

The protesters will demand a public rather than Parliamentary inquiry into the nuclear issue.

Questions will be raised about plant safety, health hazards and the disposal of radioactive wastes. "The Ottawa demonstration is the start of stopping things," said an SOS spokesperson.

For more information on the demonstration and transportation to Ottawa call the SOS Coalition at 274-9662.

Seabrook demonstration should be largest yet

by Louise Fabiani.

This coming Saturday the Boston-based Clamshell anti-nuclear organization will start their occupation of New Hampshire's Seabrook Nuclear power plant.

More than 18,000 people are expected, a greater number than attended last year's June rally at Seabrook.

Planned strategy consists of

completely non-violent tactics termed "direct action."

Direct Action resembles civil disobedience in its defiance of rules and regulations, but differs in its immediate goal to interfere with the functioning of the plant through peaceful means.

The Clamshell people and their supporters will stage their protest in organized units call-

ing affinity groups, consisting of 10 to 20 like-minded people setting up living arrangements, gardens and so on directly on the grounds of the plant.

Clamshell hopes that as well as drawing attention to themselves, they will be able to disrupt the running of the plant and show how the land could be better used.

Comment

Introducing the science issue

As an institute of higher education, McGill produces scientists and engineers. As an institute of research it produces ideas and technology. At the same time, it educates future politicians, managers and humanists. Nevertheless, the perennial separation between "Arts" and "Science" persists.

The impact of science and technology on the structure and growth of society is a truism, suffice to mention the revolution in communications and organization brought about by the transistor and the computer.

Less obvious is the ideology generated by science, which plays an insidious role in providing a framework of concepts in which we are brought up to think. The rejection of the "irrational," and the requirement of logic and proof have been greatly motivated by the post-Newtonian mechanistic view of the universe. In this respect, the ideology carried by science has yet to incorporate the wealth of concepts and methods developed in the physical and biological sciences: since the 1930s and 1950s we have witnessed an era of creative anarchy, the development of powerful global and phenomenological methods following the relative failure of analytic ones. The present popular notion of science has grown obsolete.

The association of science with truth remains a great justification for making decisions of utmost importance in society. In return, the ignorance of the public and politicians, with regard to scientific issues, becomes a major impediment to the normal functioning of democratic processes.

The relation is reciprocal: The course society chooses conditions to a large extent those areas of scientific investigation which will receive the most funding, and which are therefore most liable to progress.

The necessity of a debate on Science and Society emerges from the recognition of this reciprocal relation, and is most clearly illustrated in the words of Boris Vian: "Science is as neutral as a gun; it serves he who uses it".

Such a debate is required at McGill because of the role McGill plays in the furthering of science and Canadian society.

The object of this science page is not to present a comprehensive view of scientific endeavours and methods, nor to enumerate all instances of scientific influence on society. It is to consider certain points of friction, litigious areas where this relationship of science and its social nature are brought to light.

The science page should appear on a quasi-regular basis. It will develop themes selected by the science writers. Future issues on nuclear energy and alternatives, science education, science funding and genetic engineering are scheduled.

If you have something to say on these questions or if you

feel that other questions should be raised, come to the Daily offices. Our next meeting will be tomorrow at 5:30.

The content of each article is the responsibility of its author. The bias of any particular issue will be that of the people who contribute to it. Our aim is to open debate and we request opposing views.

A writer need not have a scientific background. These are social issues and we are all citizens. Our only working principle is that the scientific processes cannot be disassociated from the society and culture in and on which they operate.

Marc Tessier-Lavigne

Safety first

It is difficult to ignore the world-wide controversy now brewing over the nuclear issue. Conflicting reports from many sources about safety, environmental and national security aspects of the question have seriously undermined the nuclear establishment's credibility and the governments' ability to press on with their ambitious plans for expansion.

There exist striking differences between nuclear power and all previously implemented technologies because of the biologically toxic radioactivity associated with the everyday operation of a nuclear power plant and with the disposal of wastes.

But aside from the purely technical problems of containing radioactivity under all imaginable conditions tougher social problems must also be addressed.

It would be politically irresponsible to ignore what a predominantly nuclear energy picture might imply: stringent managerial requirements and a tightening of security measures could constitute a potential threat to civil liberties. Also, as Gordon Edwards points out in his interview, going into nuclear headlong would mean a sort of verticalism and centralization society might not be willing to endure.

Nuclear has its distinct advantages but it isn't the panacea we once believed it to be.

Alvin Weinberg, former Atomic Energy Commission's director of the Oak Ridge National Laboratory (U.S.), wrote in the July 7, 1972 issue of Science: "We nuclear people have made a Faustian compact with society: we offer an almost unique possibility for a technologically abundant world for the on-coming billions, through our miraculous, inexhaustible energy source but this energy source at the same time is tainted with potential side effects that, if uncontrolled, could spell disaster."

Michel Sheppard

This nuclear issue, the first in a series dealing with science and society, was produced by...

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Mark Spraggett
David Turnbull

special thanks to CCNR for their cooperation



Nuclear:

the Quebec story

by Marc Tessler-Lavigne

Nuclear power is no longer the serious energy option it was for Quebec in the early '70s.

Technological blunders and the inability of the province to reach an agreement with Ottawa on the funding and building of power stations have combined to make nuclear an undesirable energy option for Quebec.

Quebec's abundant supply of hydroelectric power has made it possible for the province to adopt the cautious attitude on energy advocated by the Levesque government's 1977 "white book" on energy, and delay the decision on nuclear energy until the early 1980s.

In an interview with *Le Devoir* last June provincial energy minister Guy Joron said: "For predictions beyond the year 2000 all opinions have the same value. I don't believe those who claim one must invest 25 years ahead of time. To those who say it is wise to be prepared I answer that it is more dangerous to be 10 years ahead than five years behind, especially in the realm of nuclear energy".

PQ energy plans conform to a "minimal program" designed to keep Quebec present in the nuclear sector without requiring a full scale involvement.

Atomic Energy Controls Limited, Hydro Quebec and the Quebec government signed a contract in January 1978 outlining Quebec's nuclear activities for the immediate future.

By the terms of the contract Quebec agreed to invest in a new nuclear reactor—Gentilly III's predecessors II and I were not a success.

Gentilly I, built in 1969, has operated only 63 days in seven years. The federally funded plant was a technical mess, and occasionally released lethal doses of radioactive products. It did serve, however, to form a team of nuclear experts in Quebec.

Gentilly II was to be a project of both the federal and provincial governments, with the federal government footing 50 per cent of the bill. The reactor was to be operational in 1979 but as a result of inflation and difficulties, attributed by the provincial government to a lack of cooperation with the AECL, the price nearly tripled.

The province's criticism of

federal policy became indignation when the federal government decided that its 50 per cent funding of the plant referred to the estimated, as opposed to the actual, costs.

In similar cases in Ontario and New Brunswick the federal government paid 50 per cent of the actual costs.

But federal-provincial co-operation did not cease. In 1974 the AECL initiated the building of a heavy water factory in Laprade, representing a one-million dollar investment and the creation of 1,500 jobs.

The plant, designed to open in 1982, was supposed to produce 800 tons of heavy water per year, enough to supply Quebec, Canadian and world markets.

The only reactor requiring large amounts of heavy water, however, is the Canadian-produced CANDU model, and while the federal government once hoped to export it on a large scale, the 1973 oil crisis dulled their expectations.

Increased competition from other countries and the economic recession discouraged the most probable buyers—third world countries.

To date AECL has sold only two more reactors — to Argentina and Korea — and the market for heavy water has virtually disappeared.

The federal government, worried it would have no market for Laprade heavy water, told Quebec it would have to build three new reactors if it wanted the Laprade plant completed.

Quebec balked but agreed to build Gentilly III.

In return the federal government agreed to finish Laprade and Quebec agreed to buy 1500 tons of heavy water. This was the January 1978 contract.

The federal government unexpectedly backed out of the Laprade commitment, after eight months, causing Quebec to repudiate its part of the contract concerning Gentilly III.

As it stands now Quebec will complete the Gentilly II reactor but the province has scrapped plans for Gentilly III.

This "moratorium" on nuclear energy will be prolonged for at least another five years.

In the meantime Quebec is studying American and other foreign reactors. "Many countries will be happy to sell to us," says Joron who is not convinced that CANDU is the ideal reactor.

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continued from page 5

waste disposal, transportation, security, and decommissioning are extremely high.

Because of the heavy financial commitment involved, nuclear power has been accused of being inflexible. It requires such a huge investment that future generations will feel obligated to make use of it.

Although the need to develop altern-

ative sources of energy remains unchallenged, the usefulness of these sources in the near future has certainly come under attack. While coal is abundant a heavy dependence on it would create major pollution problems. Solar and wind energy are viable alternatives but there is a need to solve problems which render these sources impractical for present use. Also to be looked into

is the manufacture of synthetic fuels, a process enjoying some success in South Africa today.

While nuclear power may be a short term necessity, government reports have recognized its drawbacks. The Porter Commission calls for a moratorium on additional nuclear power stations if by 1985 the safety of waste disposal remains in doubt.

The nuclear industry must concentrate on safety.

As CCNR policy notes: "There are many good reasons which can be advanced for delaying the nuclear program until waste management and other problems are better understood, both within the nuclear industry and among the general public."

Society promotes women's issues

by Barbara Scales

Toronto—A new constitution for the Society for Women in Philosophy (SWIP) which includes a clause calling for the encouragement "of scholarly and creative activities among women" was finalized at a conference held here during the weekend.

The new constitution for the three-year-old organization urges "the promotion of the professional interests of women philosophers and an increase in the number of women philosophers in the profession."

More than 40 professors, graduate and undergraduate students of both sexes attended the conference. Papers delivered to the two day meeting included discussions of fictional entities, reproductive labor and the rights of members of the adoptive triangle.

The most lively debate centered on the question of whether men should be allowed to join the association. The final decisions taken by the membership after a heated discussion were that men would be invited to join the organization and be given full rights.

However invited speakers will be given the right to decide whether they wish to have their lecture closed to men.



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Nuclear not the answer, says CCNR ...

by Michel Sheppard
and Marc Tessier Lavigne

Nuclear power is neither cheap, nor safe, nor conducive to an open atmosphere of political consensus.

When Gordon Edwards makes such comments about nuclear energy, they cannot be dismissed as the rantings of just another emotional, uninformed critic. Edwards, a mathematician by profession, is national chairman of the Canadian Coalition for Nuclear Responsibility. He has testified for the public hearings of the Royal Commission on Electric Power Planning in Ontario, the New Brunswick Energy Hearings and the Select Committee on Ontario Hydro Affairs.

A quiet logical man, Edwards shies away from unsubstantiated, inflammatory rhetoric. He does not however mince words when it comes to the nuclear industry's performance record, in both the financial and safety fields.

Public expenditures on an unprecedented scale have been pumped into research and development to create a viable industry. "It's lemon socialism," says Edwards.

Business gets money from the government and the public coughs up the taxes to support a losing business venture. Nuclear has never been in the black and hence must rely on

welfare, Edwards told the Daily.

To keep afloat the nuclear establishment pushes for overseas sales and lobbies for nuclear expansion. Ontario Hydro has a 42 per cent surplus in production capacity, it was revealed last year.

But still the Canadian Nuclear Association presses for expansion. They need money, says Edwards, citing from the "Race against Time" section electric power planning report.

The report states that construction of only three more power plants would enable Ontario to meet energy requirements for the year 2000.

Canadians should also be concerned with the safety of CANDU reactors, says the CCNR's chairman.

The select committee recently made public its concerns about the Atomic Energy Control Board's (AECB) way of handling industry safety.

At Ontario's Bruce reactor the emergency core cooling system was unavailable in one case out of 50, according to records.

At the Rolphston site core cooling remained shut off completely for 150 days before the mistake was noticed, let alone corrected.

The industry had been adamant about not leaking such important information to

the public. For years, in fact, the government too was forced to function knowingly in an information vacuum.

The AECB has also concluded that the overall statistical unavailability of core cooling is roughly one in 100, well beyond the demanded design requirements.

Multiplied by the one in 100 chance of a pipe break gives a one in 10,000 chance of a complete failure of the emergency cooling, possibly leading to a fuel accident or a meltdown.

Taking into account that when current plans for expansion are completed there will be twelve reactors in Toronto, functioning for a 30-year period, the probability figures predict one serious mishap every 28 years.

Edwards proposed alternatives to the energy crisis are similar to those described by Amory Lovins in his book, *Soft Energy Paths*. "There are very clear alternatives if there is a political will for a change of direction," says Edwards.

The Economic Council of Canada has shown that a conservator society is less inflationary and creates more employment.

Edwards also favours the recommendations of several Harvard scientists and economists who favour conservation along with a cen-

tralized solar option. Nuclear calls for a centralization of decisional power and a concentration of industrial strength, says Edwards. The nuclear establishment's corporate elite with its vertical bureaucratic 19th century style

of thinking, must be changed by a political consensus.

Concluded Edwards: "I want to see a major evolutionary shift to a new wider power base, to a cooperative, just and sustainable society. We can do it if we try."

...it is, says Yaffe

by Mark Spraggett

Mankind needs nuclear energy for peaceful purposes, according to McGill chemistry professor and vice-principal in charge of administration, Leo Yaffe.

Yaffe has done research in nuclear fission for more than 30 years. He has served on many scientific research committees, including the United Nations International Atomic Energy Agency, as its director of research.

While Yaffe recognizes the unquestionable fact that there are dangers in nuclear energy, he points out there are risks arising from every form of energy.

The risks and benefits should be looked at rationally.

Said Yaffe, "the nuclear industry has always been under complete scrutiny," unlike the coal industry.

"The nuclear energy industry has the best industrial accident record in the world. No one has been killed from the commercial uses of atomic energy," Yaffe said. The deaths that have occurred are the result of nuclear weapons production, he said.

Yaffe believes the nuclear situation must be put into perspective: "What are the dangers and how much are they compared to what we consider our normal way of life? You can't pick one in isolation and say 'Gee Whiz it's dangerous'. Good scientists don't do this,

charlatans do!" The present technique of storing radioactive wastes from CANDU reactors in the nuclear plant itself, is an adequate safety measure, said Yaffe.

The problem arises if the spent fuel rods are dissolved to extract the plutonium, etc., for reprocessing. But "we in Canada don't reprocess," said Yaffe. Therefore all that needs to be done to store these spent fuel rods is to place them in a trench under eight feet of water.

Asked what he thought of the careless method of disposing the highly toxic uranium tailings (left in mounds exposed to the atmosphere) Yaffe said he disapproved of the manner in which such wastes are handled.

However he expressed dissatisfaction with how the ashes from coal fired thermal power plants are dumped or used for road fill, as they contain radioactive uranium, radium and thorium.

Although CANDU reactors emit radioactive gases into the atmosphere as part of its normal operation, Yaffe said that very little is emitted compared to a coal fired thermal power plant.

Yaffe added that people afraid of mutations from radioactivity should recognize that mutations are possible from many common commercial products, such as coffee.

"People seem to think there is a great deal of dissension among scientists in this area." According to Yaffe "there is no dissension among scientists who are knowledgeable in this area."

In Yaffe's opinion anyone can "get up on a soap-box and talk about nuclear energy, but the question arises as to how much (this person) literally knows about energy and the problems associated with it."

While Yaffe is a staunch opponent of nuclear weapons production, he emphasizes that it has nothing to do with commercial power production and the people shouldn't confuse the two issues.

"It's like comparing the electricity used to heat homes to that used to power an electric

Yaffe: staunch supporter of nuclear chair," said Yaffe.

Public must have say

by Marc Tessier-Lavigne

The public must have some say in nuclear energy, say two McGill physics professors involved in nuclear research and teaching.

"The argument is neither technical nor scientific, but rather social and ethical," said Physics Department chairman Nick De Tackasy.

"My nuclear physics training hasn't contributed in the least to my positions on nuclear energy."

According to De Tackasy the public's idea that nuclear physics, at the university level, and the nuclear industry are related is false.

"Since the 1950s the nuclear industry has fallen into the hands of nuclear engineers and reactor physicists," he said.

The experts should inform but the decision is still a political one, De Tackasy said.

John Robson, a nuclear physicist who teaches courses on the problems of energy and nuclear energy, has a different opinion than De Tackasy.

Robson encourages debate but believes that physicists are more qualified to judge the technical aspects and safety problems of nuclear energy than the average man.

"The dialogue on nuclear energy is healthy. It breeds a greater awareness of the dangers involved, which in turn creates a safer nuclear system," Robson told the Daily.

"The real problem is when the people running the system become complacent and forget the dangers involved. Therefore the dialogue must be kept up."

Robson feels that "in general the anti-nuclear people are very emotional and the pro-nuclear



De Tackasy

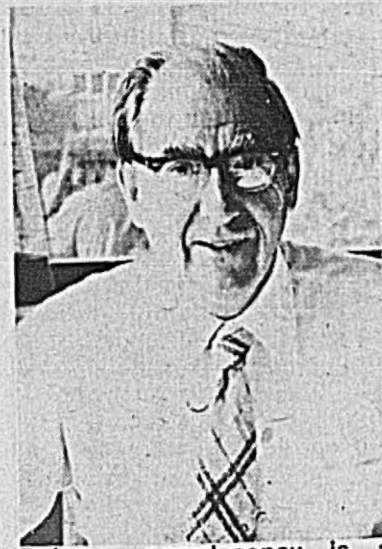
people are better informed."

De Tackasy deplors the lack of information on both sides. Both professors believe that coal and oil, the short term alternatives to nuclear energy, produce just as many hazards—mainly through pollution.

De Tackasy and Robson are also of one mind when it comes to Jane Fonda. They feel she's an asset to the anti-nuclear forces because as De Tackasy put it, "she's nice to look at."



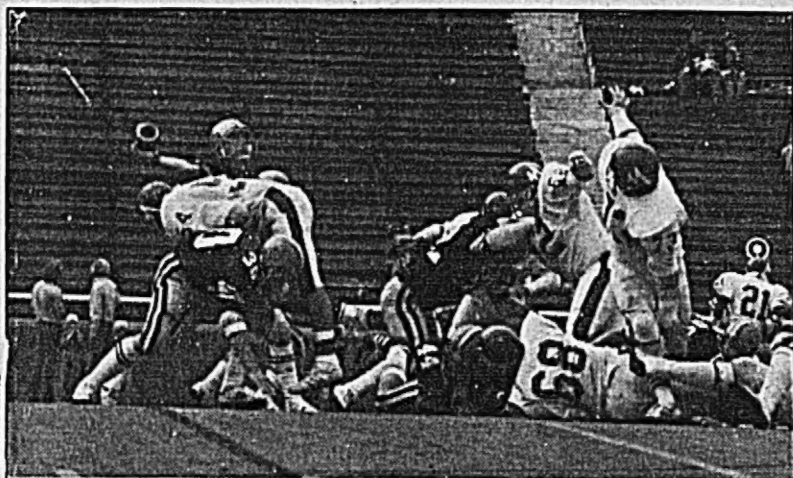
David Turnbull



David Turnbull

Robson: complacency is a problem

Redmen have weekend off



Gee-Gees QB Rick Zmich unloading a pass as the Redmen front four struggle to unload on Zmich. That's LB Mark Lemery [54] leading the assault, while tackle Jim McMullan [73] and end Pierre Muir [62] do their best to distract Zmich. Prostrate Marc Joncas [68] sacked the Ottawa QB twice on Saturday.

*Shaughnessy Cup
game here
next Saturday*

by Brahm Pascal

They may not agree on much, but one thing all OQIFC coaches did concur on before the '79 season began was that the battle for first place would be a muddled one. And as the wacky OQIFC East enters week five, the standings are as questionable as our very existence.

Seeing as the McGill Redmen have a two week break over which to ponder the vicissitudes of their up and down season, the biggest game on the schedule is the Carleton—Queen's match at Ottawa.

Oddly, both teams last played at Concordia, Carleton with a bye last week, and Skip Rochette's Stingers probed a nettlesome quarry for both the Gaels and Ravens.

Back on the home front, the Redmen are preparing for the annual Shaughnessy Cup, for Montreal football supremacy, against Con U at Molson Stadium last Saturday.

Last year's Cup was nabbed by the Redmen by the score of 53-0. History will likely not raise its grand head this time around.

The Redmen should be most thankful of the fact there are so many "ifs" left in the schedule. It appears as if a 4-2 season's record will be a requisite for the playoffs, and right now five teams are within reach of that mark.

This is the OQIFC

	GP	W	L	PF	PA	Pts.
Carleton	3	3	0	75	30	6
Ottawa	4	3	1	82	70	6
Queen's	3	2	1	77	38	4
McGill Redmen	4	2	2	80	51	4
Bishop's	4	2	2	91	91	4
Concordia	3	0	3	39	66	0
UQTR	3	0	3	19	118	0

Saturday Results

Ottawa 11, McGill Redmen 8

Queen's 16, Concordia 10

Bishop's 42, UQTR 11

Games, Saturday Oct. 6

Queen's at Carleton

Bishop's at Concordia

UQTR at Ottawa

Martlets miss worm at Earlybird

by Emily Cooper Cole

The Martlets were jolted by an injury in their second game of the O.W.I.A.A. Earlybird field hockey tournament held Friday and Saturday.

In an attempt to save a penalty stroke from York, goalie Laurie Drover tore a hamstring muscle. Left wing Sharon

Pembroke took the net and York won the game 6-0. Although shattered, the Martlets managed to pick up the pieces and finish the tournament with good results: 3 wins and two losses.

Despite Friday's injury and defeat, the Martlets continued in the tournament Saturday and results were better. Fullback Vicky Laydon voluntarily donned the pads and defended the net for Saturday's games. The Martlets had a sweeping 6-0 win over Laurentian in their first game and moved on to capture McMaster 3-0 and Waterloo 2-0. Cathy Halg led the scoring with five goals and Brenda Cameron and Ann Hamilton each added two.

Coach Jan Meyer felt Guelph and York were two of the toughest teams McGill faced in the tournament and thus "the rest of the games were a bit easier. We played much better the second day. Positioning, passing and cutting improved."

In the Earlybird tournament McGill faced most of the competition it will see this season. Meyer sees the tournament as "a good indicator".

"The tournament was more or less a practice round, for the O.W.I.A.A.. Each team played five or six games".

The Martlets placed fourth in the tournament. York took first with U. of T. second and Guelph followed in the third position.

Drover's injury, which will put her out for at least three weeks, was a blow to the team. Meyer disclosed that she will be looking for a second goalie this week.

McGill

Sports Shorts

The Athletic Department recently welcomed three new coaches into the fold for the 1979-80 season. They are:

René Thevenet, women's varsity volleyball coach. On CEGEP Hochelaga team that played in '76 and '77 National Collegiate Championships, member of Québec Elite volleyball team, '77, scholarship to Rutgers '78-'79 played on Rutgers team ranked third in U.S. NCAA; coached Champlain College women's team, '77-'78.

Michael Rockwell, men's varsity volleyball coach. Member Canadian men's volleyball team, '67-'72, played in World Student Games Tokyo '67, Pan-Am Games '67, '71; B.C. provincial team coach '68-'73, men's coach UBC '78-'79.

Cheryl King, women's varsity hockey coach. McGill grad, played on Martlet ice hockey and field hockey teams '74-'77. Member of McGill MWWL Champs of '75-'76, '76-'77.

Redmen Stats

Rushing						
	Carr.	Yds.	Ave.	TD	LG	
Lacelle	45	325	7.2	0	43	
Geoghegan	33	187	5.6	1	30	
Awrey	10	41	4.1	0	6	
Receiving						
	No	Yds.	Ave.	TD	LG	
Blewald	21	334	16.3	5	30	
Prezko	11	98	8.9	0	15	
Passing						
	Att.	Comp.	Yds.	Pct.	TD	Int. LG
Pywowarczuk	97	51	705	52.6	8	8 31
K. Smith	3	2	11	66.7	0	0 9
Punting						
	No.	Yds.	Ave.	LK		
Kawkabani	29	1031	35.5	52		
Punt Returns						
	No.	Yds.	Ave.	LR		
Blewald	13	140	10.7	25		
Poulton	11	112	10.1	17		
D. Smith	3	32	10.7	12		

Tennis team takes two

by Richard Boudreau

The McGill men's and women's tennis teams both scored victories over the weekend. The men defeated SUNY-Plattsburgh 9-0 while the women downed University of Vermont 4-3.

Despite the absence of number two Chantal Plamondon, the women took their second consecutive dual meet by defeating the highly-rated Vermont squad. Janet Blewald led the charge as she crushed Marcia Banks 6-3, 6-1. Other singles victories came from Jessica Chutter who beat Pam Hensel 7-5, 6-3, and Diane O'Hara who won 6-1, 6-2 over Martha Soper.

Vermont picked up their two singles wins as Alicia Good

defeated Alison Burke 4-6, 6-1, 6-4, while Susan Rosenheim lost a 6-4, 6-2 decision to Wendy Burrows. In the doubles, Blewald and Chutter clinched the McGill victory with a 6-3, 6-2 win over Carol Khachian and Jenny Hynson. Vermont won the other doubles as Jean Dunbar and Kathy Borsa downed Burke and Rosenheim 4-6, 6-3, 6-3.

The men meanwhile, started the season on a winning note as they journeyed south and beat SUNY-Plattsburgh 9-0. Number one, Neal Rockowitz defeated Scott Tuomey 6-3, 6-3, while number two Steve Shamie had no trouble in registering a 6-3, 6-2 victory over Jon McAnney. Number three Richard Yanofsky recovered from a slow start to beat Jim Stevens 2-6, 6-2, 6-0

while number four Benji Eliasoph, a freshmen playing his first match for McGill, easily defeated Jeff Rogers 6-2, 6-3. Other singles victories came from number five Chris Nimptsch who toughed out a 6-3, 3-6, 6-2 decision over George Stackpole and number six Rick Boudreau who easily disposed of Jack Somer 6-2, 6-0.

In doubles matches, Rockowitz and Shamie defeated Tuomey and McAnney 6-3, 7-5, Boudreau and Yanofsky were extended before finally beating Somer and Stevens 6-2, 5-7, 6-4, while Nimptsch and Eliasoph breezed by Rogers and Peter Ettinger 6-3, 6-2.

The next action for the men will be next Friday, October 12 when they host St. Michael's College of Winooski, Vt.

The last Expos epilogue

by Earl Zukerman

The Montreal Expos have quite a few important decisions to make in the off-season, the outcomes of which could adversely affect their playoff chances next year.

Firstly, veteran left-hander Rudy May (10-3, 2.31 ERA) will graduate to the status of free agent. He certainly will not return under the same conditions that he played through this year. May will likely demand a spot in the starting rotation, not to mention a hefty hike in pay.

Lefty Ross Grimsley wasn't too pleased with the fans who booed his performances on the mound, nor was he pleased with manager Dick Williams' decision to demote him to the bullpen. After all, Ross only gave up 5.36 runs for every nine innings he pitched. As well, the Grim Reaper wasn't too happy with his fielders, who "didn't make the plays behind him", which resulted in his 199 hits to 151 innings ratio, the only regular on the staff to give up more hits than innings pitched and not strike out more men than he walked.

Tony Perez didn't take too kindly to the acquisition of Rusty Staub because it meant more time on the pine, which doesn't look good if Tony wants to continue selling Dorion Soup. He'll be looking for a guaranteed contract with more money for his slowly deteriorating RBI production and a clause which would guarantee him a certain amount of playing time.

Staub, baseball's first 121 RBI man to ride the bench and get \$200,000 for his efforts, will want more playing time and a raise to help compensate for the mental anguish of not playing, which leads to excessive eating and a deteriorating physique, which of course affects Rusty's ability to play.

Added to these problems is minor league first baseman Steve Bass, who hit over 40 home runs and knocked in more than 100 runs in Triple A ball this year.

You can be sure that Larry Parrish felt a bit neglected batting seventh in the order, even though he led the team in batting and was second in RBI's.

Then there is Warren Cromartie who cannot get on base

as well as a leadoff batter should, and whose bat is prone to slumps especially with runners in scoring position.

Andre Dawson is constantly near the top of the league in strikeouts and has a rare dislike for accepting charity, in that he never met a pitch that he didn't like, resulting in very few walks.

Finally, we come to problem child Ellis Valentine, who is knocked when he doesn't hustle and when he does (remember the collision in N.Y.?). Ellie is upset with the fans who cheer his exploits one day and jeer him the next.

What should they do? Should they trade Steve Rogers who seems destined to lose every big game by one or two runs? Should they unload a big name for a badly needed left handed power hitter? Will Dick Williams regain the respect of his players? Will owner Charles Bronfman put to good use the money he made from the 2.1 million paid fans?

For answers to these and many more interesting questions stay tuned to "As the Turnstile Turns".

by Brahm Pascal

Cher baseball fans, we have much to be thankful for after this stunning season of our boys of summer.

Let us pause for a moment of genuflection at the knees of his ebony Sluggerness Ellis Valentine, the hirsute good 'ol boy Larry Parrish and that petulant screaming and kicking battler Steve Rogers.

Those hell bent for leather lads made us forget the snow, the rain, the sleet, the sun, the overcast skies, the chance of showers followed by clearing, the hurricane warnings; they were indeed the most pleasant tonic for the Percy Saltzmans of the planet.

Those hickory and ash toting rapscallions implored us to leave our worries about Joe, Pierre, Ed the talking horse, Claude R, Carmine G, the other Maggie T, our life, our loves, our hates, our fears, excess overweight, ha ha ha, we were vacuous zombies beating at a .600 clip for six months.

Descended from the grand Expo tradition of the mid-inning restroom pause for outfielders comes a major motion picture soon to be released by the NFB: Pride of the Expos, The Marv Staehle Story.



Richard Katz

REDMANIA Korner

Gabba Gabba Tonight Show? Now hold on now! Is this another Spaceman scam? The joke is on you my little Redmaniacs.

More credibility for Redmania was kicked this past weekend by the highest Redmaniac himself, Principal Johnston.

But let's put our thinking caps on for a moment, because I would like to send an urgent

call out to all Redmaniacs to unite with your kazoos, banners, cheers and fever at possibly the final home game of '79 next Saturday (Oct 13). McGill's hated, fiendish and all around no good rival about a stone's throw down Sherbrooke, the Concordia Gospel Singers, come here looking for converts and money. Repel those dastardly swine!

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Christian-Muslim Dialogue—Tuesdays beginning 8 p.m.

Mini-Retreats—Oct. 27 and Nov. 24. The day begins at 10 a.m. and ends with supper.

The Faith of Catholics—beginning Thursday Nov. 15, 7:30-9:30 p.m.

Ever Think About the Religious Life?—Saturday Oct. 20, 1:30-4:30 p.m.

Ministry to the Aged and Ministry to the Prisoners—contact Newman secretary for more information at 392-6711.

Friday Night Suppers—every Friday at 6:30 p.m. Cost: \$1.50.

Brunches—Nov. 4 and Dec. 2 after the 11 a.m. liturgy. Drop-in for lunch—Anytime during the week, Study Room and T.V. Room, Halloween Party and Christmas festivities.

Mass

Mon.-Fri.—5:15 p.m. at Newman.

Mon., Wed., Fri., University Chapel (Birks Bldg.), 12 noon.

Sat.-5 p.m.; Sun.-11 a.m. and 8 p.m.

COMMUNAL RECONCILIATION SERVICE (Penance)—Fri. Oct. 19 and Nov. 30 at 8 p.m.

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This slim-line crisp, beautiful design offers more. For example: The turntable and tone arm are independently sprung from the motor board to help prevent acoustic feed-back.

For your convenience, the clear dust cover locks in any "open" position and most controls can be reached with cover in the closed position. And much, much more.

Experience the pleasure of the new PL-200 at your nearest Pioneer Dealer very soon. It most certainly will be an experience you'll not forget.

Other models in this series, include: PL-225, PL-300, PL-400, PL-500, and PL-600.



Tomorrow's Deck is Available Today

The New CT-F650. You may have heard a great deal about metal tapes, but you really haven't heard anything until you've heard your favorite music played on metal tape. There is a superbly clear audible difference that can truly thrill the listener.

The new Pioneer CT-F650, while it will continue to deliver the excellent performance you have come to expect from Pioneer, with conventional tapes, has been specifically engineered so as to make it fully capable for metal-tape recording and playback. And that means a stereo cassette deck for today and tomorrow.



The CT-F650 has an improved Independent Drive System for Low Wow/Flutter of 0.05%. Dolby® system (on/off) with LED Indicator.

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Recording/Playback Device. Illuminated Cassette Compartment. Pneumatic Damped Lid. Fluorescent Display Level Meter (Fluorscan). All-Mode Shut-Off and much, much more.

Other models in this series, include: CT-F750, CT-F850, CT-F950, and CT-F1250. *Dolby is a trademark of Dolby Laboratories, Inc.

Faithful High Fidelity

The Pioneer SX-580 Receiver is more than just a Receiver. It is the control unit for all the superb sounds you have come to expect from Pioneer.

The SX-580 offers a continuous power output of 20 watts per channel. Both channels driven into 8 ohms, from 20 to 20,000 Hz, with no more than 0.3% total harmonic distortion.

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FM Pilot Signal Canceller in PLL MPX IC, High Sensitivity for improved FM Reception, Hybrid ICs in Power Amp for stable performance, high accuracy in Phono Equalizer for lower distortion, plus a host of other Pioneer features that help make Pioneer the undisputed leader in Hi-Fi.

Other models in this series, include: SX-680, SX-780,

SX-880, SX-980, SX-1080, SX-1280, and SX-1980.

And It Comes Out Here



The supertweeters in our Pioneer HPM-40 Speakers aren't cones or domes. They don't have voice-coils or magnets. They are made with curved membranes of a unique material—high polymer molecular film—to reproduce a louder, clearer treble sound than anything you've heard before. Pioneer's exclusive carbon fiber reinforced woofers are responsible for the clear, smear-free bass frequencies you will also hear.

The Pioneer HPM-40—3-way, 3-speaker system, 40 watts maximum input, bass-reflex bookshelf type cabinet.

Remember, a bargain is something you will enjoy today and tomorrow. Audition the Pioneer components featured at your nearest Pioneer Dealer, very soon.

Other models in this series, include: HPM-30, HPM-60, HPM-100 and HPM-150.

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